

ABSTRACT OF THE DISCLOSURE

A disk array controller is made up of multiple disk array control units for implementing the data read/write operation and each having channel IF units, disk IF units, cache memory units and shared memory units. The disk array controller further includes inter connections for interconnecting the shared memory units and interconnecting the cache memory units across the border of disk array control units. Thereby alleviating the deterioration of performance due to the data transfer between the disk array control units, when the multiple disk array control units are to be operated as a single disk array controller.